

ABSTRACT OF THE DISCLOSURE

The ink jet head records an image on a recording medium by ejecting ink containing charged fine particles by means of an electrostatic force, and includes an ink guide, an ink flow path that supplies the ink to the ink guide and an ejection electrode that ejects the supplied ink. The ejection electrode includes a surrounding electrode arranged so as to surround an outer periphery of the ink guide with a spacing, or side-by-side electrodes arranged on both sides of the ink guide so as to oppose each other with a spacing. A ratio between an effective inside diameter of the surrounding electrode or an effective spacing between the side-by-side electrodes, and a distance from the surrounding electrode or the side-by-side electrodes to a tip end of the ink guide protruding on the side of the recording medium is set in a range of 1:0.5 to 1:2 or 1:0.7 to 1:2.8, respectively.